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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 24	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:34:24 ON 15 OCT 2007

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:34:36 ON 15 OCT 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 OCT 2007 HIGHEST RN 950664-39-8
DICTIONARY FILE UPDATES: 14 OCT 2007 HIGHEST RN 950664-39-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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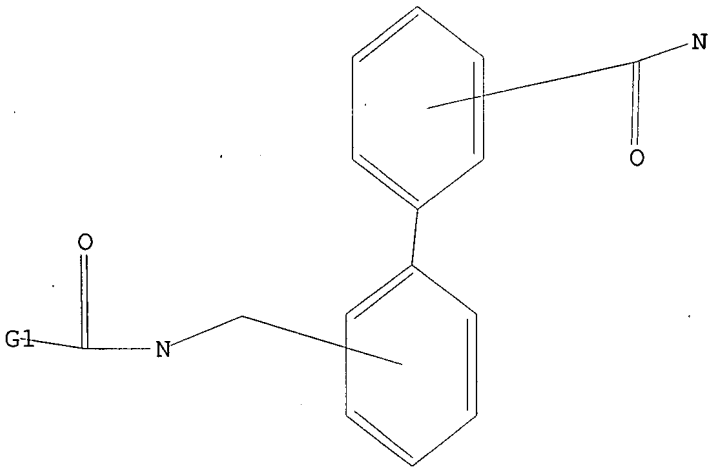
Uploading C:\Program Files\Stnexp\Queries\10691624.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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=> s l1
SAMPLE SEARCH INITIATED 10:34:53 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1302 TO ITERATE

100.0% PROCESSED     1302 ITERATIONS                              13 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        23876 TO    28204
PROJECTED ANSWERS:              44 TO      476

L2            13 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 10:34:57 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    25777 TO ITERATE

100.0% PROCESSED    25777 ITERATIONS                             212 ANSWERS
SEARCH TIME: 00.00.01

L3           212 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             172.10     172.31

FILE 'CAPLUS' ENTERED AT 10:35:00 ON 15 OCT 2007
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 15 Oct 2007 VOL 147 ISS 17
FILE LAST UPDATED: 14 Oct 2007 (20071014/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4 42 L3

=> d abs bib hitstr 30-42

L4 ANSWER 30 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN
AB Compds. R1R2CHCHR3NR7COR4 [R1 = (CH2CH2)mZ3, (CH:CH)mZ3, or (CH2)nZ3, where m = 1 or 2; n = 0, 1, or 3; Z3 = substituted aryl, cycloalkyl, or cycloalkenyl, (un)substituted heteroaryl, heterocyclyl, heterocyclenyl,etc.; R2 = H, CO2R5, COR5, CONR52, CH2OR6, CH2SR6, where R5 = H, alkyl; R6 = H, (un)substituted alkyl, acyl, aroyl, heteroaroyl; R3 = H, (un)substituted alkyl, (CH2CH2)oZ2, (CH:CH)oZ2, (CH2)pZ2, where o = 1 or 2; p = 0, 1, or 3; Z2 = (un)substituted aryl, heteroaryl, cycloalkyl, cycloalkenyl, heterocyclyl, or heterocyclenyl; R4 = alkyl, alkenyl, alkynyl, (un)substituted cycloalkyl, heterocyclyl, aryl, heteroaryl, etc.; R7 = H, alkyl] were prepared for inhibiting the activity of Factor Xa. Thus, N-(4-phenylbenzoyl)-2-(R)-(1,2,5,6-tetrahydro-3-pyridylmethyl)-3-(R)-β-alanine Me ester was prepared via alkylation/acylation of N-(tert-butoxycarbonyl)-3(R)-β-alanine Me ester.
AN 1999:626174 CAPLUS
DN 131:243595
TI Preparation of piperidinyl and N-amidinopiperidinyl amino acid derivatives for inhibition of Factor Xa
IN Klein, Scott I.; Guertin, Kevin R.
PA Rhone-Poulenc Rorer Pharmaceuticals Inc., USA
SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9948870	A1	19990930	WO 1999-US6224	19990322
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2325471	A1	19990930	CA 1999-2325471	19990322

	AU 9931094	A	19991018	AU 1999-31094	19990322
	AU 757868	B2	20030306		
	TR 200002740	T2	20001221	TR 2000-2740	19990322
	EP 1080075	A1	20010307	EP 1999-912798	19990322
	EP 1080075	B1	20040811		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	BR 9909086	A	20010904	BR 1999-9086	19990322
	HU 2001001482	A2	20010928	HU 2001-1482	19990322
	JP 2002507600	T	20020312	JP 2000-537853	19990322
	AT 273277	T	20040815	AT 1999-912798	19990322
	ES 2224620	T3	20050301	ES 1999-912798	19990322
	IN 2000CN00412	A	20050304	IN 2000-CN412	20000921
	US 2002016339	A1	20020207	US 2001-922906	20010806
	US 2004067988	A1	20040408	US 2003-674480	20030930
PRAI	US 1998-79002P	A2	19980323		
	US 1999-273618	A3	19990322		
	WO 1999-US6224	W	19990322		
	US 2001-922906	B1	20010806		

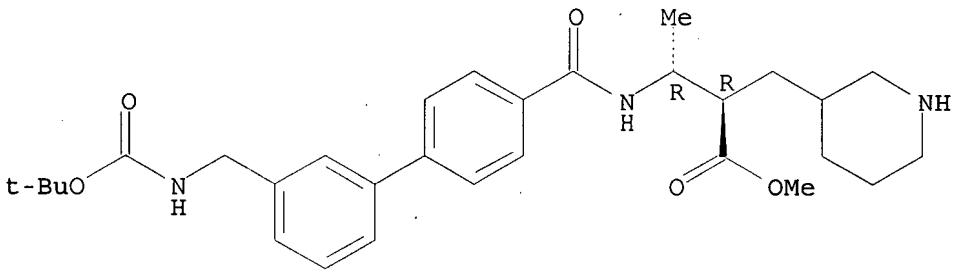
OS MARPAT 131:243595

IT 244267-31-0 244267-32-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of piperidinyl and N-amidinopiperidinyl amino acid derivs. for inhibition of Factor Xa)

RN 244267-31-0 CAPLUS

CN 3-Piperidinepropanoic acid, α-[(1R)-1-[[[3'-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl][1,1'-biphenyl]-4-yl]carbonyl]amino]ethyl]-, methyl ester, (αR)- (9CI) (CA INDEX NAME)

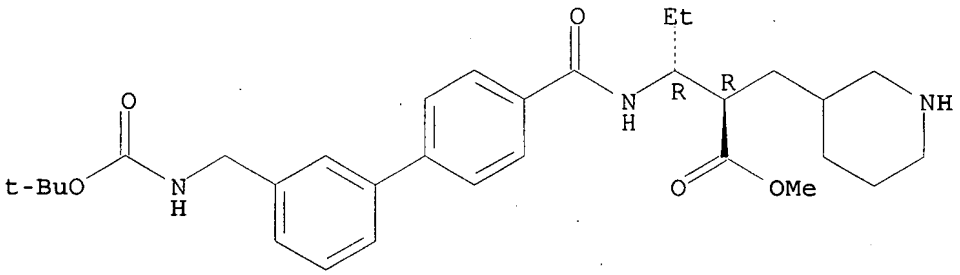
Absolute stereochemistry.



RN 244267-32-1 CAPLUS

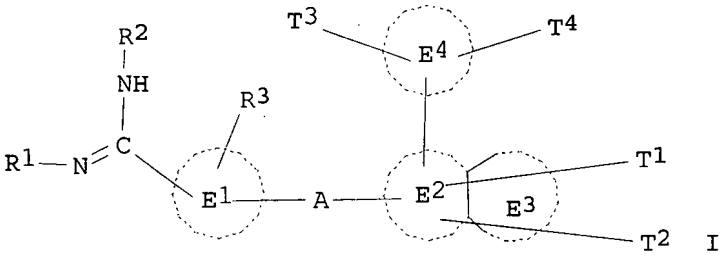
CN 3-Piperidinepropanoic acid, α-[(1R)-1-[[[3'-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl][1,1'-biphenyl]-4-yl]carbonyl]amino]propyl]-, methyl ester, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 31 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN
GI



AB The title compds. I [T1 = (R5)q; T2 = (R7)n; T3 = (R6)m; T4 = (R4)p; R1, R2 = H, alkoxycarbonyl, etc.; a proviso is given; R3 = H, alkyl, etc.; ring E1 = unsatd. heterocyclic ring, etc.; ring E2 = unsatd. heterocyclic ring, etc.; ring E3 = unsatd. or saturated heterocyclic ring, etc.; ring E3 may be omitted; ring E4 = unsatd. heterocyclic ring, etc.; R4, R5 = CO2R8, etc.; R8 = H, alkyl, etc.; p, q = 0, or 1, 2; p + q = 1 or 2; R6, R7 = H, alkyl, etc.; m = 1 - 3; n = 1 - 3] are prepared I are useful as preventives and/or remedies for various vascular lesions associating accelerated coagulation activity, for example, universal intravascular coagulation syndrome, coronary thrombosis, brain infarction, brain embolism, transient cerebral ischemic attack, diseases associating cerebral vascular disorders, deep vein thrombosis, peripheral embolism, thrombus formation following artificial blood vessel operation or artificial valve replacement, diseases associating postoperative thrombus formation, reobstruction and reconstriction following coronary artery bypass, reobstruction and reconstriction following PTCA or PTCR, thrombus formation during extracorporeal circulation and glomerulonephritis. Formulations containing a compound of this invention are given. In an in vitro test, 2-[2-(4-amidinophenylcarbamoyl)-6-methoxy-3-pyridyl]-5-[(1(S)-hydroxymethyl-2,2-dimethylpropyl)carbamoyl]benzoic acid methanesulfonic acid salt showed IC50 of 0.013 μM against factor VIIa.

AN 1999:529128 CAPLUS

DN 131:184864

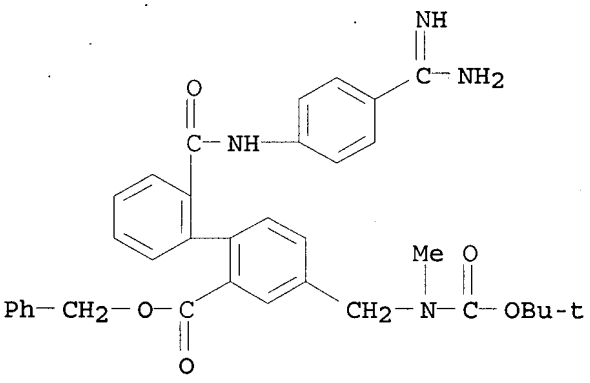
TI Preparation of amidinophenylcarbamoylbiphenyl derivatives and heterocyclic analogs thereof as inhibitors of blood coagulation factor VIIa

IN Senokuchi, Kazuhiko; Ogawa, Koji

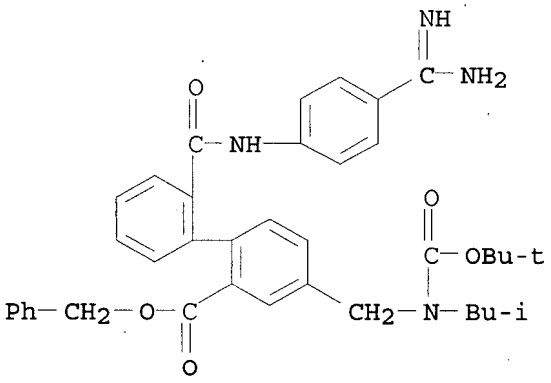
PA Ono Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 665 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9941231	A1	19990819	WO 1999-JP622	19990212
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9923006	A	19990830	AU 1999-23006	19990212
	EP 1078917	A1	20010228	EP 1999-902896	19990212
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	ZA 9901273	A	19990825	ZA 1999-1273	19990217
	US 6358960	B1	20020319	US 2000-601998	20000811
PRAI	JP 1998-76815	A	19980217		
	WO 1999-JP622	W	19990212		

OS MARPAT 131:184864
IT 239451-69-5P 239451-75-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amidinophenylcarbamoylbiphenyl derivs. and heterocyclic analogs thereof as inhibitors of blood coagulation factor VIIa)
RN 239451-69-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 2'-[[[4-(aminoiminomethyl)phenyl]amino]carbonyl]-4-[[[(1,1-dimethylethoxy)carbonyl]methylamino]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 239451-75-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 2'-[[[4-(aminoiminomethyl)phenyl]amino]carbonyl]-4-[[[(1,1-dimethylethoxy)carbonyl](2-methylpropyl)amino]methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 32 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN
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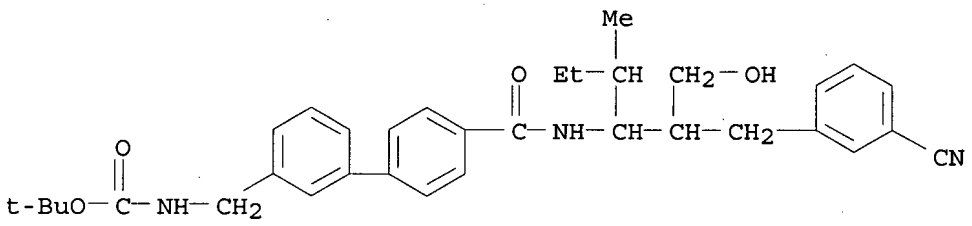
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title derivs. I [A = amidino in which one N atom may be substituted with OH, NH2, C1-8 alkyl, aryl, aralkyl, alkylcarbonyl, arylcarbonyl, alkoxycarbonyl, aryloxycarbonyl, aralkoxycarbonyl; R1 = H, F, Cl, Br, NH2, NO2, C1-8 alkyl, C1-8 alkoxy; L = direct bond, C1-4 alkylene; R2 = H, F, Cl, Br, OH, NH2, C1-8 alkoxy, CO2H, alkoxycarbonyl, aryloxycarbonyl, aralkoxycarbonyl, carbamoyl which may be substituted with 1-2 C1-8 alkyl or in which N may be derived from amino acid residue, C1-8 alkylcarbonyl, alkylsulfenyl, alkylsulfinyl, alkylsulfonyl, mono- or di-C1-8 alkyl-amino, mono- or di-C1-8 alkylaminosulfonyl, SO3H, phosphono, bis(hydroxycarbonyl)methyl, bis(alkoxycarbonyl)methyl, 5-tetrazolyl; R3 = H, F, Cl, Br, OH, NH2, NO2, C1-8 alkyl, CO2H, alkoxycarbonyl; n = 0-3; X = O, S, SO, SO2, NHCONH, NR4, CONR5, NR5CO, NR5SO2, SO2NR5 (R4 = H, C1-10 alkyl, C1-10 alkylcarbonyl, C1-10 alkylsulfonyl; R5 = H, C1-10 alkyl; alkyl in R4 and R5 may be substituted with aryl, OH, NH2, halo, C1-8 alkoxy, CO2H, alkoxycarbonyl, aryloxycarbonyl, aralkoxycarbonyl, carbamoyl which may be substituted with 1-2 C1-8 alkyl or in which N may be derived from amino acid residue, 5-tetrazolyl); Y = C4-8 cycloalkyl, adamantyl (CH2 of these ring may be replaced by CO or may be substituted), heterocyclyl Q (5-8 member), Q1 (6-8 member), Q2 (6-8 member) (substituents of the rings are defined)] and their pharmaceutically acce. Also claimed are anticoagulants or prophylactic and therapeutic drugs containing I or their salts and excipients. Me 3-(3-amidinophenyl)-5-[2-(1-acetimidoyl-4-piperidyl)ethylamino]benzoate (II) was prepared from Me 3-amino-5-hydroxybenzoate via Me 3-(tert-butoxycarbonyl)amino-5-hydroxybenzoate, Me 3-(tert-butoxycarbonyl)amino-5-(trifluoromethanesulfonyl)oxybenzoate, Me 3-(3-cyanophenyl)-5-(tert-butoxycarbonyl)aminobenzoate, Me 3-(3-cyanophenyl)-5-aminobenzoate, Me 3-(3-cyanophenyl)-5-[2-(1-tert-butoxycarbonyl-4-piperidyl)ethylamino]benzoate, and Me 3-(3-amidinophenyl)-5-[2-(4-piperidyl)ethylamino]benzoate. IC50 of II against factor Xa was 0.1-10 μM.

AN 1999:365690 CAPLUS

DN 131:44660

RN 193152-46-4 CAPLUS
CN Carbamic acid, [[4'-[[[1-[2-(3-cyanophenyl)-1-(hydroxymethyl)ethyl]-2-methylbutyl]amino]carbonyl][1,1'-biphenyl]-3-yl]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 35 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN
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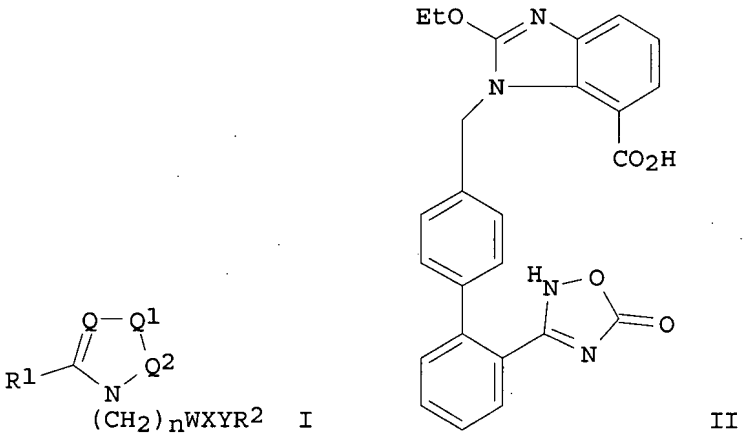


AB Title compds. [I; R1 = (substituted) hydrocarbyl optionally bonded through a heteroatom; R2 = (substituted) 5-7 membered heterocyclyl containing a carbonyl, thiocarbonyl, (oxidized) S, or group convertible into them; X = bond, spacer having an atomic length of ≤2 atoms; W, Y = (substituted) (hetero)aryl; n = 1, 2; Q, Q1 = 1-2 (substituted) C or heteroatoms; Q2 = (substituted) C or heteroatom; adjacent pairs of Q-Q2 = atoms to form 5-6 membered rings], were prepared Thus, title compound (II) at 10-6 M inhibited angiotensin II by 79%.
AN 1997:750 CAPLUS
DN 126:117970
TI Preparation of biphenylylmethylbenzimidazoles, -thienoimidazoles, and related compounds as as angiotensin II antagonists.
IN Naka, Takehiko; Inada, Yoshiyuki
PA Takeda Chemical Industries, Ltd., Japan
SO U.S., 72 pp., Division of U.S. 5,354,766.
CODEN: USXXAM
DT Patent
LA English

FAN.CNT 4

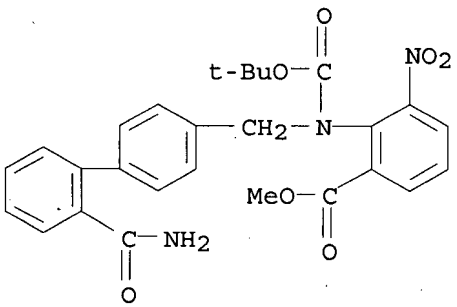
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5583141	A	19961210	US 1994-291435	19940816
	ZA 9204666	A	19931224	ZA 1992-4666	19920624
	US 5243054	A	19930907	US 1992-904452	19920625
	CA 2072541	A1	19921228	CA 1992-2072541	19920626
	CA 2072541	C	19921228		
	JP 09183778	A	19970715	JP 1996-320175	19920626
	JP 3465215	B2	20031110		
	RU 2104276	C1	19980210	RU 1992-5052111	19920626
	PL 173303	B1	19980227	PL 1992-295044	19920626
	RU 2168510	C2	20010610	RU 1997-103420	19920626
	CN 1082405	A	19940223	CN 1993-100007	19930101
	CN 1067242	B	20010620		
	US 5354766	A	19941011	US 1993-80259	19930623
	US 5736555	A	19980407	US 1996-685012	19960722
	US 5883111	A	19990316	US 1996-685907	19960722
	US 6100252	A	20000808	US 1998-207044	19981208
PRAI	JP 1991-157194	A	19910627		
	JP 1991-188882	A	19910729		
	JP 1991-192054	A	19910731		
	JP 1991-288217	A	19910812		
	JP 1991-239766	A	19910919		
	JP 1991-341107	A	19911224		
	US 1992-904452	A3	19920625		
	US 1993-80259	A3	19930623		
	JP 1991-239764	A	19910919		
	JP 1992-169684	A3	19920626		
	JP 1992-222466	A	19920821		
	US 1994-291435	A3	19940816		
	US 1996-685907	A3	19960722		

OS CASREACT 126:117970; MARPAT 126:117970

IT 147404-73-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of biphenylylmethylbenzimidazoles, -thienoimidazoles, and related compds. as as angiotensin II antagonists)

RN 147404-73-7 CAPLUS

CN Benzoic acid, 2-[[[2'-(aminocarbonyl)[1,1'-biphenyl]-4-yl]methyl][(1,1-dimethylethoxy)carbonyl]amino]-3-nitro-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 36 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Heterocyclic compds. [I; a, b, c = C or hetero atom; ring A and B = aromatic or heterocyclic; R1 = hydrocarbyl containing optional hetero atom; R2 = ring-forming group, CO, thioacyl, heterocyclyl, etc.; X = bond, 2-atom linking chain; n = 1, 2], useful as cardiovascular agents and antihypertensives, are prepared and formulated. Addition of HONH2.HCl with cyano compound II (R3 = cyano) and MeONa/MeOH in DMSO gave 90% oxime derivative II (R3 = H2NC:NOH), which was refluxed with ClCO2Et and Et3N in CH2Cl2 to give 23% oxadiazole compound III (R = Me) (IV). Saponification of IV with LiOH in MeOH gave 84% acid III (R = H), which showed 79% inhibition of binding with angiotensin II receptor at 10-6 M and ≥70% inhibition of angiotensin II-induced hypertension at 1 mg/kg p.o. in rats.

AN 1995:767384 CAPLUS

DN 123:169626

TI preparation of heterocyclic compounds as angiotensin II antagonists

IN Naka, Takehiko; Inada, Yoshiyuki

PA Takeda Chemical Industries, Ltd., Japan

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 243 pp.
CODEN: CNXXEV

DT Patent

LA Chinese

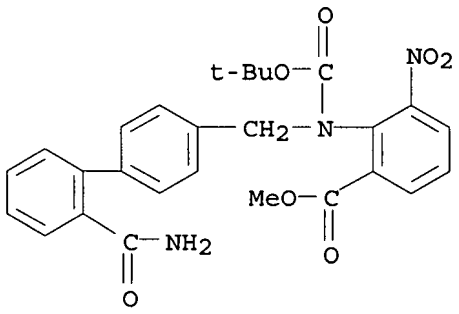
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1079966	A	19931229	CN 1993-100006	19930101
	CN 1064044	B	20010404		
	IL 102183	A	19991130	IL 1992-102183	19920612
	CN 1082405	A	19940223	CN 1993-100007	19930101
	CN 1067242	B	20010620		
PRAI	IL 1992-102183	A	19920612		
	JP 1991-157194	A	19910627		
	JP 1991-188882	A	19910729		
	JP 1991-192054	A	19910731		
	JP 1991-288217	A	19910812		
	JP 1991-239764	A	19910919		
	JP 1991-341107	A	19911224		
	JP 1992-222466	A	19920821		

IT 147404-73-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of heterocyclic compds. as angiotensin II antagonists)

RN 147404-73-7 CAPLUS

CN Benzoic acid, 2-[[[2'-(aminocarbonyl)[1,1'-biphenyl]-4-yl]methyl][(1,1-dimethylethoxy)carbonyl]amino]-3-nitro-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 37 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN

AB The biphenyl-containing pseudoamino acids 2'-(aminomethyl)biphenyl-2-carboxylic acid (Abc) and 2'-(aminomethyl)biphenyl-2-acetic acid (Aba) are used as rigid spacers in the backbone of the cyclic peptides cyclo(Abc-Ala-Phe-Gly)2 (5), cyclo(Abc-Ala-Val-Gly)2 (6), cyclo(Aba-Gly-Phe-Ala)2, and cyclo(Aba-Ala-Phe-Gly)2. Three different interconverting diastereomers are found in solns. of each of these cyclopeptides due to the atropisomerism of the biphenyl units. NMR techniques and mol. dynamics calcns. allow to conclude that the major diastereoisomer of 5 (and 6) in d6-DMSO adopts a β-sheet conformation. It is proposed that the pseudo-amino acid (R)-Abc forms, when attached to L-amino acids, a H-bonding pattern comparable to a β-turn.

AN 1994:605957 CAPLUS

DN 121:205957

TI Antiparallel β-sheet conformation in cyclopeptides containing a pseudo-amino acid with a biphenyl moiety

AU Brandmeier, Volker; Sauer, Wolfgang H. B.; Feigel, Martin

CS Inst. Org. Chem., Univ. Erlangen-Nuernberg, Erlangen, D-91054, Germany

SO Helvetica Chimica Acta (1994), 77(1), 70-85
CODEN: HCACAV; ISSN: 0018-019X

DT Journal

LA English

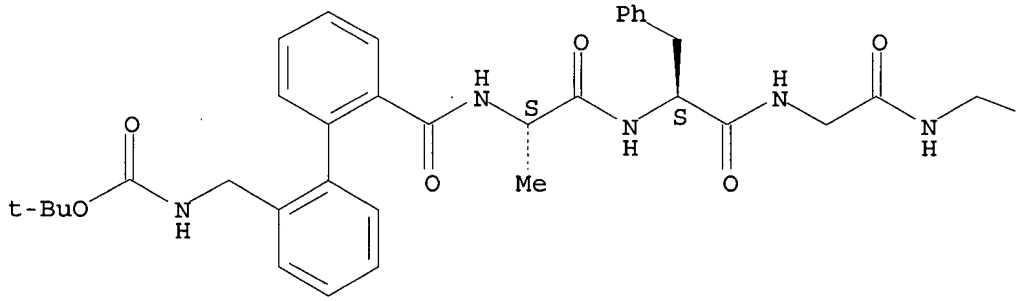
IT 158066-17-2P 158066-18-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, hydrazinolysis, deblocking, and peptide cyclization of, cyclopeptide from)

RN 158066-17-2 CAPLUS

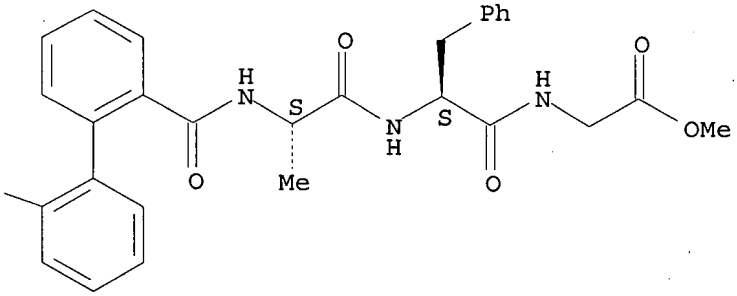
CN Glycine, N-[N-[N-[[2'-[[[N-[N-[N-[[2-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl][1,1'-biphenyl]-2-yl]carbonyl]-L-alanyl]-L-phenylalanyl]glycyl]amino]methyl][1,1'-biphenyl]-2-yl]carbonyl]-L-alanyl]-L-phenylalanyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



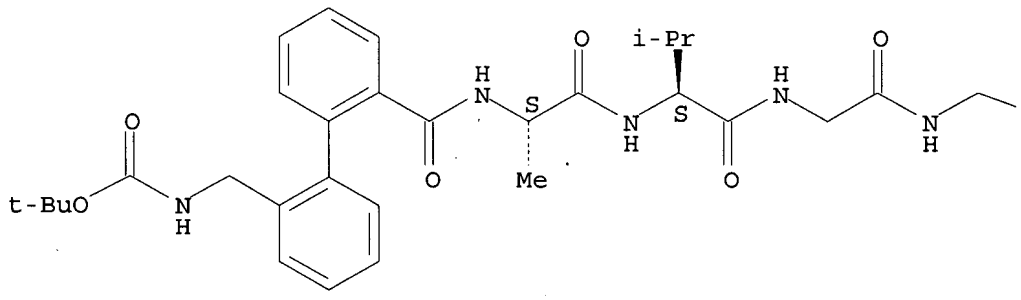
PAGE 1-B



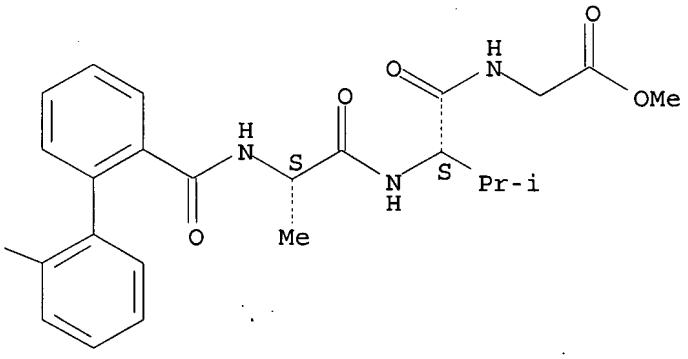
RN 158066-18-3 CAPLUS
CN Glycine, N-[N-[N-[[2'-[[[N-[N-[N-[[2-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl][1,1'-biphenyl]-2-yl]carbonyl]-L-alanyl]-L-valyl]glycyl]amino]methyl][1,1'-biphenyl]-2-yl]carbonyl]-L-alanyl]-L-valyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

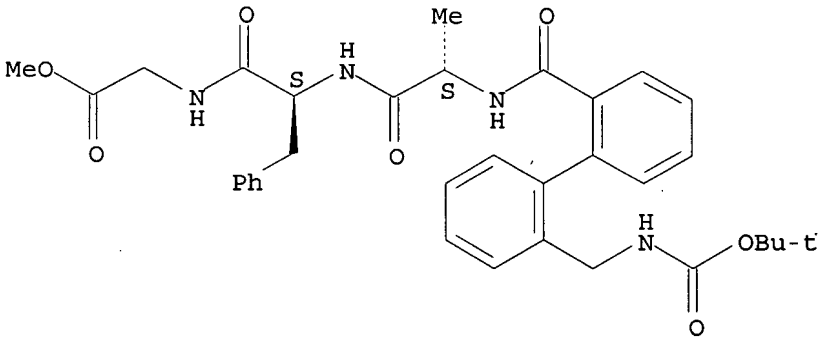


PAGE 1-B



IT 158066-13-8P 158066-14-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation, saponification, deblocking, and peptide coupling reactions of, in
preparation of dimeric cyclopeptide)
RN 158066-13-8 CAPLUS
CN Glycine, N-[N-[N-[[2'-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl][1,1'-biphenyl]-2-yl]carbonyl]-L-alanyl]-L-phenylalanyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 158066-14-9 CAPLUS
CN Glycine, N-[N-[N-[[2'-[[[(1,1-dimethylethoxy)carbonyl]amino]methyl][1,1'-biphenyl]-2-yl]carbonyl]-L-alanyl]-L-valyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PA Takeda Chemical Industries, Ltd., Japan
SO Eur. Pat. Appl., 126 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 520423	A2	19921230	EP 1992-110668	19920625
	EP 520423	A3	19930616		
	EP 520423	B1	20030514		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, PT, SE				
	NO 9202495	A	19921228	NO 1992-2495	19920624
	NO 300734	B1	19970714		
	ZA 9204666	A	19931224	ZA 1992-4666	19920624
	AU 9218598	A	19930107	AU 1992-18598	19920625
	AU 646343	B2	19940217		
	AT 240323	T	20030515	AT 1992-110668	19920625
	PT 520423	T	20030930	PT 1992-110668	19920625
	ES 2194009	T3	20031116	ES 1992-110668	19920625
	CA 2072541	A1	19921228	CA 1992-2072541	19920626
	CA 2072541	C	19921228		
	CN 1067890	A	19930113	CN 1992-105152	19920626
	CN 1040755	B	19981118		
	JP 05271228	A	19931019	JP 1992-169684	19920626
	JP 2645962	B2	19970825		
	HU 71218	A2	19951128	HU 1992-2135	19920626
	HU 218792	B	20001228		
	JP 09183778	A	19970715	JP 1996-320175	19920626
	JP 3465215	B2	20031110		
	RU 2104276	C1	19980210	RU 1992-5052111	19920626
	PL 173303	B1	19980227	PL 1992-295044	19920626
	SK 281077	B6	20001107	SK 1992-1995	19920626
	RU 2168510	C2	20010610	RU 1997-103420	19920626
	FI 113653	B1	20040531	FI 1992-2977	19920626
	CN 1082405	A	19940223	CN 1993-100007	19930101
	CN 1067242	B	20010620		
PRAI	JP 1991-157194	A	19910627		
	JP 1991-188882	A	19910729		
	JP 1991-192054	A	19910731		
	JP 1991-288217	A	19910812		
	JP 1991-239764	A	19910919		
	JP 1991-239765	A	19910919		
	JP 1991-341107	A	19911224		
	JP 1992-169684	A3	19920626		
	JP 1992-222466	A	19920821		

OS MARPAT 119:49388
IT 147404-73-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of angiotensin II antagonists)
RN 147404-73-7 CAPLUS
CN Benzoic acid, 2-[[[2'-(aminocarbonyl)[1,1'-biphenyl]-4-yl]methyl][(1,1-dimethylethoxy)carbonyl]amino]-3-nitro-, methyl ester (9CI) (CA INDEX NAME)

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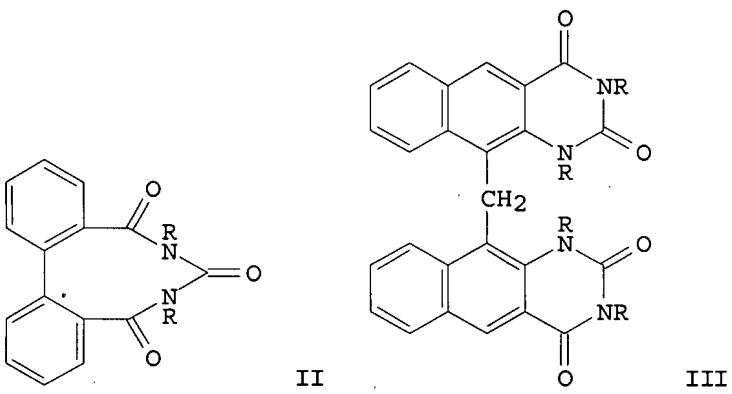
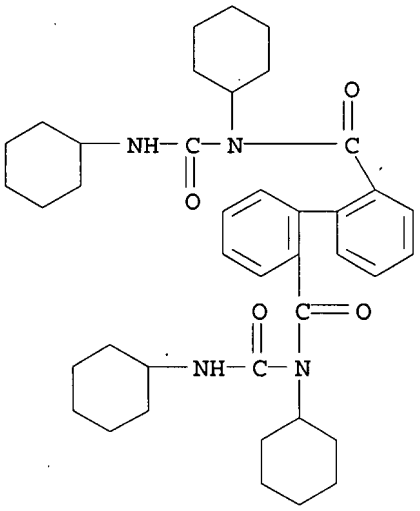
GI

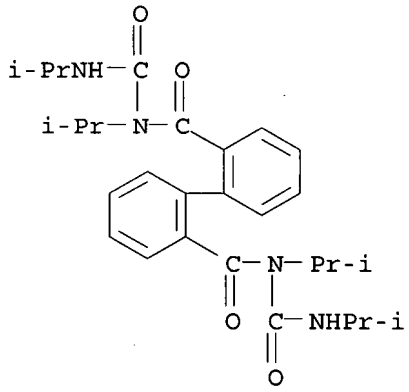


II III

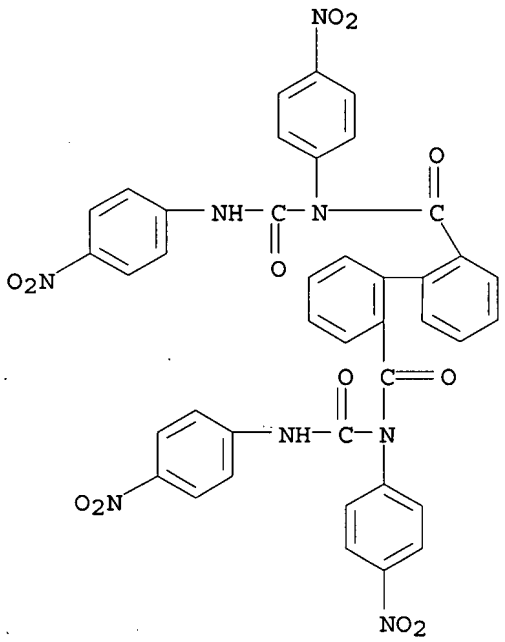
AB The reaction of RN:C:NR (I, R = cyclohexyl, Me2CH, 4-02NC6H4, Bu, Ph) with 2,2'-biphenyldicarboxylic acid dichloride gave 2,2'-bis[(carbamoylamino)carbonyl]biphenyl or dibenzo-1,3-diazonine II (R = cyclohexyl, Me2CH). The reaction of I with 2,2'-dichloro-1,1'-dinaphthylmethane-3,3'-dicarboxylic acid dichloride gave naphthopyrimidinedione derivs. III (R = cyclohexyl, Me2CH, Bu, Ph) and minor amts. of naphthoxazine derivs.
AN 1991:81797 CAPLUS
DN 114:81797
TI Reaction of carbodiimides with long-chain dicarboxylic acid chlorides
AU Ried, Walter; Nenninger, Harald
CS Inst. Org. Chem., Univ. Frankfurt/Main, Frankfurt, D-6000/70, Germany
SO Chemiker-Zeitung (1990), 114(9), 287-9
CODEN: CMKZAT; ISSN: 0009-2894
DT Journal
LA German
OS CASREACT 114:81797
IT 131814-62-5P 131814-63-6P 131814-64-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 131814-62-5 CAPLUS
CN [1,1'-Biphenyl]-2,2'-dicarboxamide, N,N'-dicyclohexyl-N,N'-bis[(cyclohexylamino)carbonyl]- (9CI) (CA INDEX NAME)



RN 131814-63-6 CAPLUS
CN [1,1'-Biphenyl]-2,2'-dicarboxamide, N,N'-bis(1-methylethyl)-N,N'-bis[[(1-methylethyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 131814-64-7 CAPLUS
CN [1,1'-Biphenyl]-2,2'-dicarboxamide, N,N'-bis(4-nitrophenyl)-N,N'-bis[[(4-nitrophenyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 42 OF 42 CAPLUS COPYRIGHT 2007 ACS on STN
GI For diagram(s), see printed CA Issue.
AB The following derivs. of diphenic acid were prepared by converting ogr;,ogr;'-diphenic acid to the diphenoyl chloride, introducing the alkanol side chain by step-wise conversion to N,N'-dimethyl-ogr;,ogr;'-diphenanilide, ogr;,ogr;'-diphenaldehyde, and ogr;,ogr;'-bis(2-nitro-1,3-dihydroxypropyl)biphenyl disodium salt, and reducing the nitro alc. with H and PdO: ogr;,ogr;'-bis(2-nitro-1,3-dihydroxypropyl)biphenyl di-Na salt, yield 88%; ogr;,ogr;'-bis(3-benzoyloxy-2-benzamido-1-hydroxypropyl)biphenyl (I), m. 85-7°; ogr;,ogr;'-bis(β-dichloroacetamidoethyl)diphenate, yield 70%, m. 111-12°; N,N'-dibenzenesulfonyl-ogr;,ogr;'-diphenoylurea, yield 64%, m. 124-6°; m,m'-bis(N-carboxymethyl)diphenamide, yield 78.6%, m. 204° (decomposition).
AN 1963:73066 CAPLUS
DN 58:73066
OREF 58:12460c-d
TI Synthesis of diphenic acid derivatives
AU Roll, William D.; Cwalina, Gustav E.
CS Purdue Univ., Lafayette, IN
SO Journal of Pharmaceutical Sciences (1962), 51, 941-4
CODEN: JPMSAE; ISSN: 0022-3549
DT Journal
LA Unavailable
OS CASREACT 58:73066
IT 102924-54-9P, Diphenamide, N,N'-bis[(phenylsulfonyl)carbamoyl]-
RL: PREP (Preparation)
(preparation of)
RN 102924-54-9 CAPLUS
CN Diphenamide, N,N'-bis[(phenylsulfonyl)carbamoyl]- (7CI) (CA INDEX NAME)